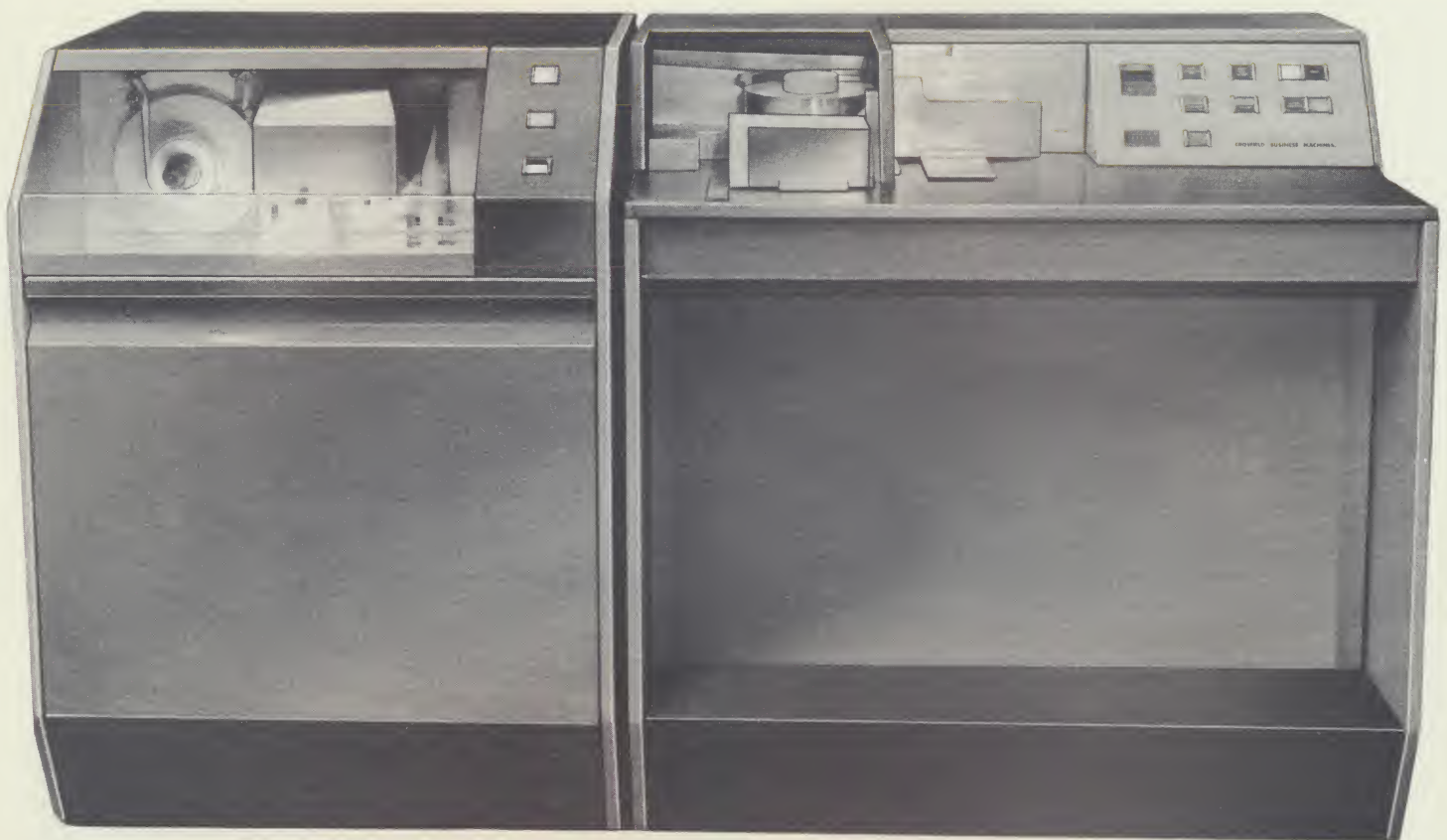


# TYPE 8100P SYSTEM



- \* Automatic OFF-Line punched paper tape preparation.
- \* 150 characters per second.
- \* Directly compatible with all computers.

This 8100P system is engineered to permit data read from documents to be recorded automatically in any code, on punched paper tape in an OFF-Line condition. Incorporated in the equipment is a Facit high speed Tape Punch, Type PE.1500, coupled via a buffer core store with a capacity to hold all the data from two documents. Information from Reject documents is suppressed to result in a 'clean tape output'.

The Tape Punch will operate at a maximum speed of 150 characters/second. The ultimate operating speed of the system is limited by the speed of the Punch, the actual rate of document feed is modified by the character fields per document.

Typical feed rates for documents are:-

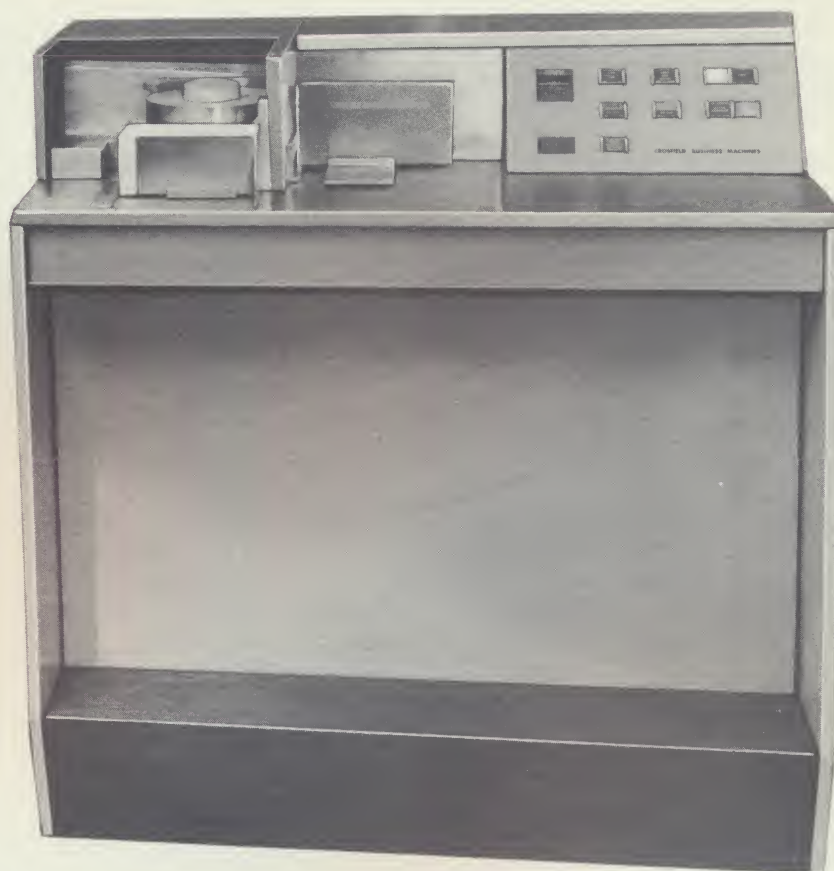
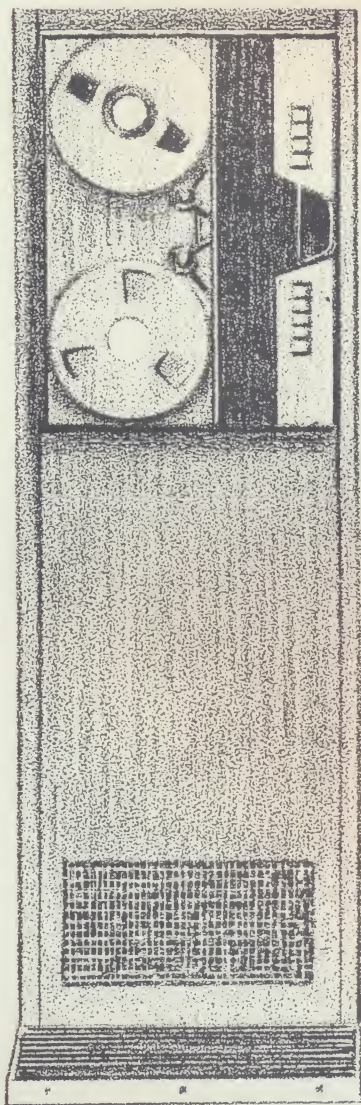
- 50 characters/document ... 180 documents/minute.
- 10 characters/document ... 800 documents/minute.



# MODEL 8100M MAGNETIC TAPE OUTPUT

- \* Automatic OFF-Line magnetic tape preparation.
- \* 1200 documents/minute.
- \* Directly compatible with all computers.

Systems may be engineered to permit data to be read directly from documents, to be recorded in any code on magnetic tape with the object of minimising computer time. The high recording speed of magnetic tape systems enable the 8100 Reader to be extended to its full capacity to achieve a document feed rate of 1200 documents/minute, irrespective of the extent of the character fields on the documents. The information from Reject documents is suppressed to ensure a 'clean tape output' is available for presentation to a computer.





# METHOD OF OPERATION

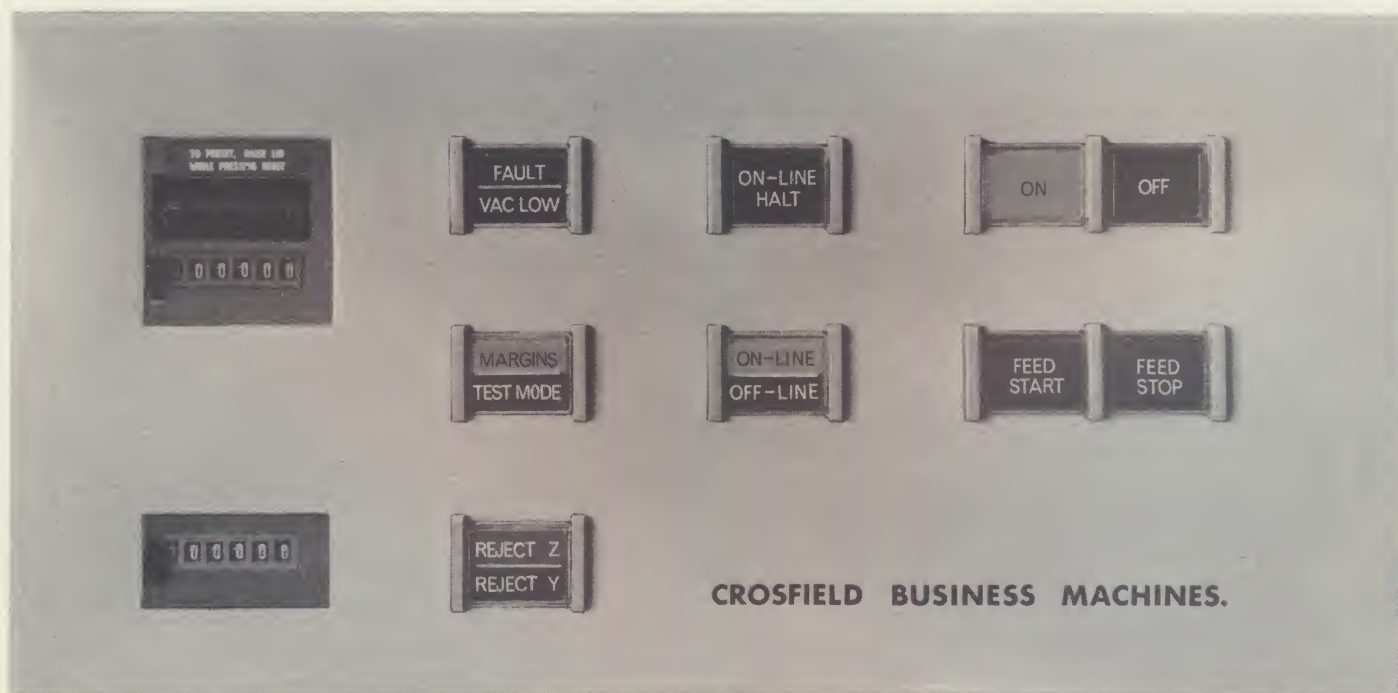
The wide tolerance of document paper quality in this 8100 series is ensured by the vacuum feed system incorporated in the Document Transport. All operations are synchronised by a toothed belt so that the feed rate is constant and independent of document size. The documents are stacked together and placed on a gravity operated trolley which moves them forward automatically against the feed mechanism. Each document is physically separated from all other documents before it is released by the feeder. Throughout its passage through the machine the paper is handled gently by vacuum means acting on one surface at a time only. The documents are removed automatically from the transport system after passing with high positional accuracy through the read station, and are stacked neatly on a gravity operated trolley.

The MICR characters are detected serially at the read station and encoded to any specified code for presentation sequentially at the equipment interface. If the Reader detects a document but fails to read any code, or reads a code that is unidentified, the equipment is immediately halted and inhibited from further operation until instructed to proceed by the depression of the 'START' button. A counter displays the total number of documents rejected during this run.

Operates either OFF-Line for document verification, or ON-Line for computer input.

A counter incorporated in the system displays the total document input, and under OFF-Line conditions the facility exists to count and display a pre-set batch of documents.

Full integral test facilities enable insitu servicing to be carried out with maximum speed and efficiency.



# SPECIFICATION

DOCUMENT SIZE	.. 4.5" length x 2.6" height minimum 9.0" length x 4.5" height maximum
PRINTING	.. Data to be encoded in CMC-7 magnetic ink characters
PAPER QUALITY	.. A wide range can be handled from flimsy to light board. Crosfield Business Machines will be pleased to advise on all documents in all applications.
CODE POSITION ON DOCUMENT	.. E.C.M.A. Standard. 4.8 mm from lower edge, greater than 6.0 mm from both ends. Other positions by negotiation.
DOCUMENT INPUT HOPPER CAPACITY	.. 5"
DOCUMENT FEED RATE	.. 20/sec. max. continuous operation. 10/sec. max. single shot 'On Demand'.
LINEAR SPEED OF DOCUMENT	.. 221"/sec.
CODE	.. CMC-7 Numeric and 5 symbols. Full or limited Alpha numeric can be supplied as an extra.
ELECTRONIC OUTPUT	.. Available in any specified code as marked lines.
OUTPUT SIGNALS	.. $-5.5$ Volts $+$ $\frac{1}{2}$ Volt = Logic 1 $0$ Volts $\pm \frac{1}{2}$ Volt = Logic 0  Signal Rise and Fall time 2 $\mu$ secs. approx. Minimum signal duration 10 $\mu$ secs.
CHARACTER REPETITION RATE	.. 1.6 kc/s.
MAXIMUM OUTPUT CABLE LENGTH	.. 100'

Solde	
Montant chèque	
Solde à reporter	

CHÈQUE N°

A L'ORDRE DE

PAYABLE
A
PAMIER

CHÈQUE N°

Lieu de création, Le

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